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[Work practice of progressive steel workers in the open-hearth shop of the Chelyabinsk Steel Plant] Opyt raboty peredovykh stalevarov martenovekogo tsekha Cheliabinskogo metallurgicheskogo zavoda.

Sverdlovsk, Gos. nauchno-tekh. izd-vo lit-ry po chernoi i tavetnoi metallurgi, 1953. 41 p.

(Open-hearth process)

(Open-hearth process)

KYLBATSKIY, A.P.

PHASE I BOOK EXPLOITATION

257

Kolosov, Mikhail Ivanovich, and Kul'batskiy, Aleksey Pavlovich.

Razlivka stali (Steel Pouring) Moscow, Metallurgizdat, 1957. 211 p. 4,800 copies printed.

Smolyarenko, D. A.; Ed. of Publishing House: Zinger, S. L. Ed.:

This book is written to make known the work methods of PURPOSE: leading Soviet steel plants, especially those producing high-grade steel. The book is intended primarily for engineers and technicians at steel plants, but can also be used by laboratory personnel at plants and institutes and by students of steel-production methods.

The authors discuss the following topics: demands made COVERAGE: upon refractory materials and conditions to which they are exposed; preparing equipment for pouring steel; pouring methods; crystallization of killed and rimmed steel; ingot defects and means of dealing with them. Chapters I, II, III, and VII were written by Kul'batskiy, A.P.; Chapters

IV, V, VI, and VIII, by Kolosov, M. I. The authors express Card 1/5

their thanks for help in compiling the volume to Vaynshteyn, O.Ya.; Ayzenshtok, I.Ya.; Keys, N.V.; Ipatov, N.K.; Stroganov, A.I.; Morozov, A.N., Professor, Doctor of Technical Sciences; Lubenets, I.A., Chief Engineer, Chelyabinsk Metallurgical Plant; Smolyarenko, D. A., Scientific Editor; and the steel melters of the Chelyabinsk Metallurgical Plant. There are 88 references, of which 83 are Soviet, 4 English, and 1 German.

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PHASE I BOOK EXPLOITATION

SOV/1805

Kul'batskiy, Aleksey Pavlovich

- Skorostnyye remonty elektrostaleplavil'nykh pechey (Rapid Repair of Electric Steel-melting Furnaces) Sverdlovsk, Metallurgizdat, 1958. 76 p. Errata slip inserted, 2,500 copies printed.
- Ed.: A. B. Dokshitskiy; Ed. of Publishing House: Yu. V. Luchko; Tech. Ed.: Ye. M. Zef.
- PURPOSE: This booklet is intended for technicians engaged in the operation and maintenance of electric furnaces. It may also be of value to skilled foundry men in electric furnace shops, and to students of metallurgical vuzes.
- COVERAGE: The book contains general information about the design, construction and operation of electric furnaces, and some specific instructions for conducting overhaul operations in the most efficient and progressive manner. These methods were devised and

Card 1/3

SOV/1805

Rapid Repair of Electric Steel-melting Furnaces tested at the Chel'yabinsk metallurgical plant, but experience gained in other plants was also drawn upon to present a comprehensive plan and organizational setup for repairing the lining and brickwork in electric furnaces. Instructions are given for

the maintenance of the lining, and some methods are suggested for prolonging the service life of linings. The elements of safety regulations are also presented. The book contains a number of illustrations and diagrams. The author thanks Engineers K. A. Mikhaylov, O. A. Labunovich, and A. B. Dokshitskiy. There are 8 Soviet references.

3 Introduction General Information About the Operation of Electric Ch. I. 55 Furnaces Design of a 40-ton electric furnace 1.

Thermal and electric characteristics of furnaces Physical requirements of refractories used for lining 3. 10 and repair of electric furnaces

Card 2/3

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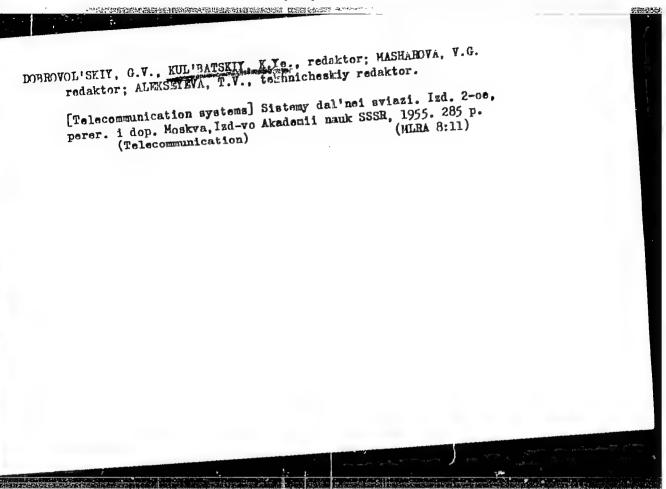
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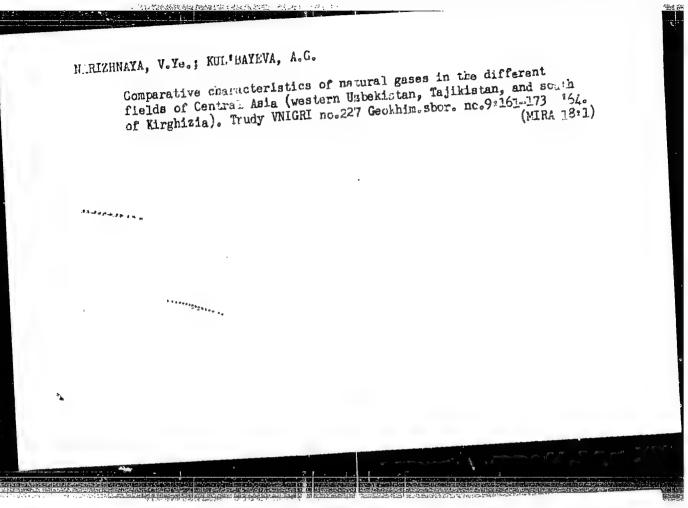
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ACCESSION NR: AP4012529

AUTHOR: Kul'beda, V. Ye.

TITLE: Temperature dependence of the Overhauser effect in dilute manganese solutions in weak magnetic fields

SOURCE: Zhurnal eksper. i teoret. fiz., v. 46, no. 1, 1964, 106-109

TCPIC TAGS: Overhauser effect, Overhauser effect temperature dependence, manganese chloride, manganese chloride solution, dilute manganese chloride solution, dipole dipole interaction, exchange interaction, steady magnetic field cancellation, magnetic field cancellation temperature, proton magnetic relaxation, paramagnetic ion

ABSTRACT: To check on the relative contributions made by dipoledipole interaction and by exchange interaction to the relaxation of the proton magnetic moments, with an aim at devising a new method for measuring the constants involved in relaxation theory, the tem-

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ACCESSION NR: AP4012529

perature dependence of the Overhauser effect was measured in aqueous solutions of MnCl₂ (0.001--0.015 M concentration). The tests have shown that dipole-dipole relaxation predominates up to about 60°C in a steady field of about 70 Oe, above which the exchange interaction prevails. At 60 ± 0.3C the two mechanisms cancel each other and the Overhauser effect disappears. The dependence of the cancellation temperature on the magnetic field intensity is calculated. "In conclusion, the author thanks S. M. Rubchinskiy and M. P. Zel'dovich for helpful advice and discussions of the results. Orig. art. has: 3 figures and 7 formulas.

ASSOCIATION: None

SUBMITTED: 15Ju163 DATE ACQ: 26Feb64

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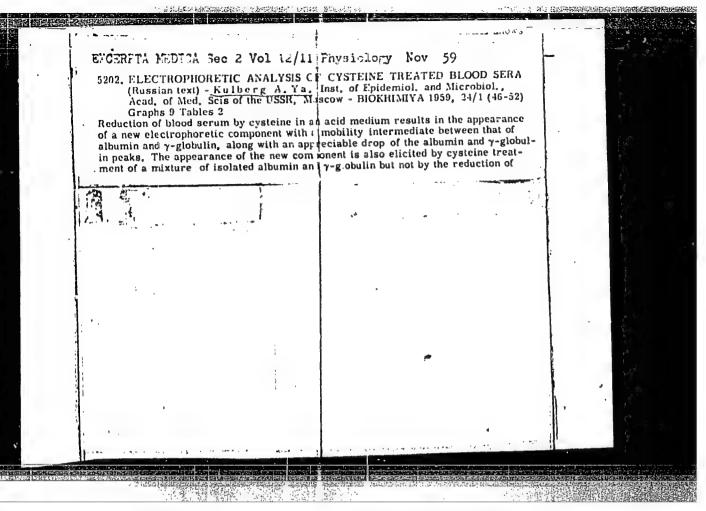
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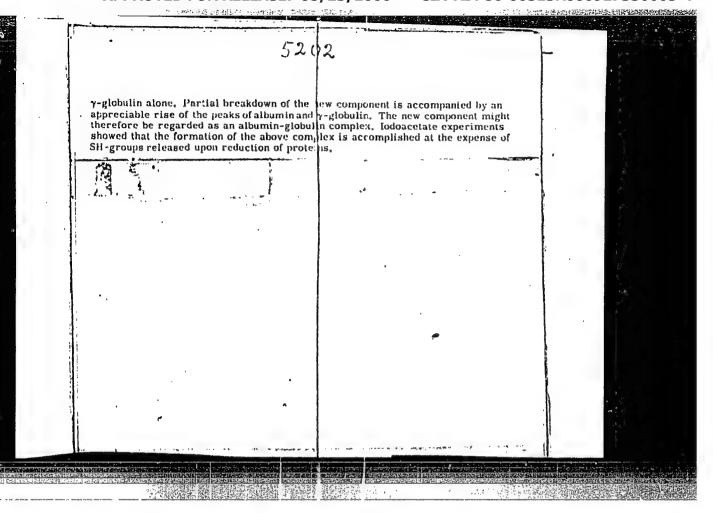
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I. 27275-66 EWT(1)/T ACC NR. AP6016877 SOURCE CODE: UR/0301/65/011/003/0012/0017 AUTHOR: Bartova. L. M.; Kul'berg. A. Ya.; Volgin, Yu. B.; Tarakhanova, ORG: Institute of Epidemiology and Microbiology im. N. F. Camaloya, AMN SSSR. Moscow (Institut epidemiologii i mikrobiologii AMN SSSR) TITLE: Antitoxic properties of low-molecular antibodies isolated from the urine of :Lmmune rabbits SOURCE: Voprosy meditsinskoy khimii, v. 11, no. 3, 1965, 12-17 TOPIC TAGS: rabbit, antibody, antigen, gamna globulin, blood serum ABSTRACT: The authors present findings indicating that low-molecular antibodies appear in the urine when rabbits are immunized with antigens of the most different nature. These antigens can be detected not only by reactions in vitro but also, in the case of low-molecular antibodies to the tetanus toxin, through their specific antitoxic effect and in experiments on animals. The rabbits used in the experiments were immunized with crude tetanus toxin, egg albumin, human serum albumin, and human gamma-globulin combined with dinitrofluorobenzene by the method described by Eisen et al. (J. Exp. Med., Vol 110, p 187). The antibodies were isolated chiefly by means of complement fixation reactions. The low-molecular antibodies isolated from rabbits immunized with tetanus toxoid specifically neutralize tetanus toxin in experiments on animals. Detection of low-molecular antitoxin in the urine of the rabbits occurred when the concentration of antitoxic antigens in the blood serum reached 30-40 AF/cc. Orig. art. has: 1 figure and 2 tables. [JPRS] SUB GODE: 06 / SUBM DATE: 23Dec63 / OHG REF: 002 / OTH REF: 009 Cord 1/1 CC/ UDC: 616.033-097-02:616.981.551-085.372

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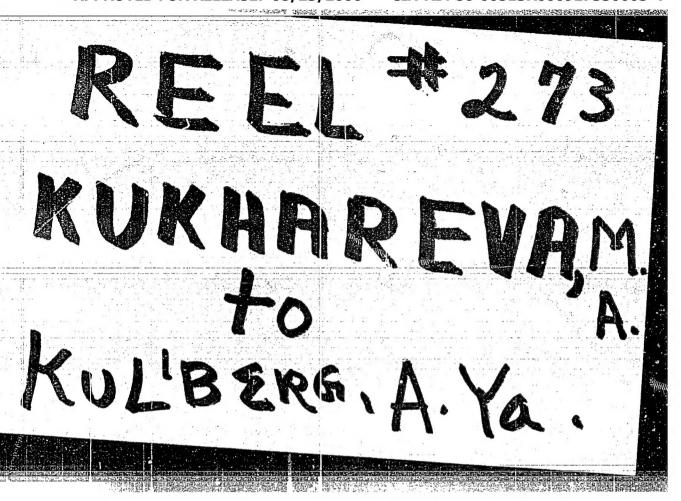
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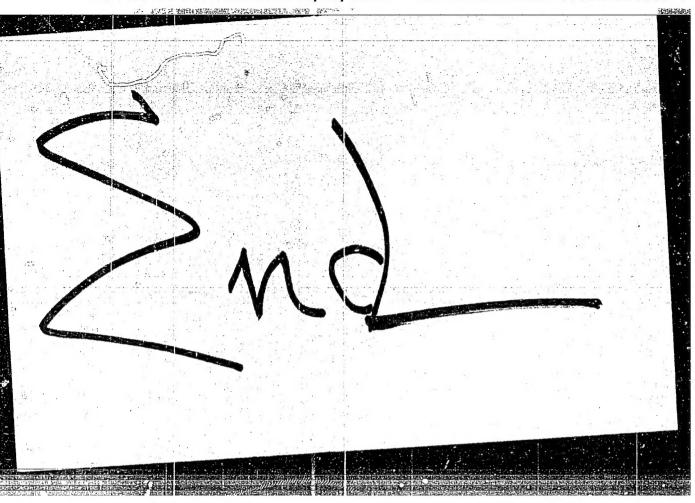
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